# Specification

**Product Name:** **AC ON/OFF sensor（CASAMBI）**

**Product Model:** **MC177S B1 N**

| Versions | Release/ change Date | Reason | Publishing |
|---|---|---|---|
| V1.0 | 2025.11.11 | First version | James Guo |
| | | | |
| | | | |

## 【Product Feature】

- Casambi Bluetooth mesh networking was adopted, casambi App was used to set application scenarios
- Conform to new ERP standards; low stand-by power.
- Compact size design, can be built-in most of light fixtures.
- Input and output terminals are convenient for connecting.
- Five year warranty

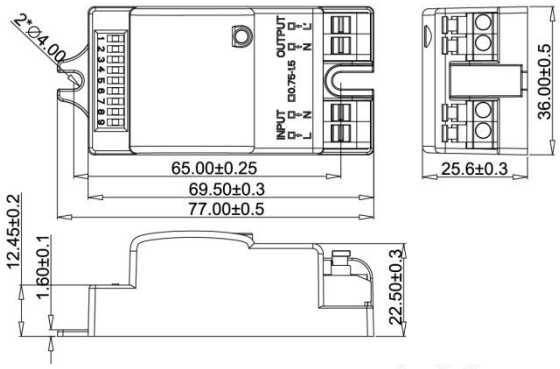
Connected with CASAMBI

## 【Parameter】

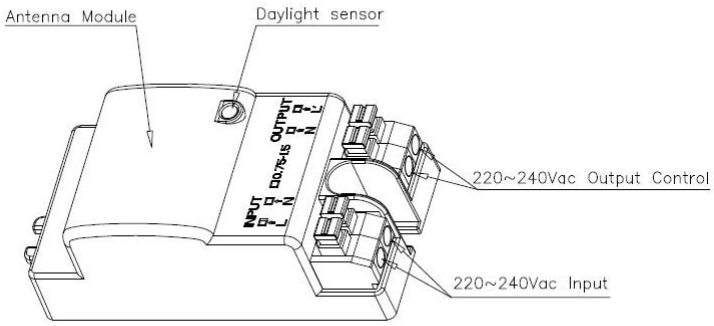
| | |
|---|---|
| **Input** | |
| Rated Voltage | 100-240VAC 50/60Hz |
| Stand-by Power | ≤0.5W |
| Surge Test | L--N: 1kV |
| **Output** | |
| Output Control | ON-OFF |
| Load Capacity | 400W(Inductive) ; 800W(Resistive)<br>Relay： 10A |
| Max. Surge Capacity | 50A (50% Ipeak, twidth =200us, 230Vac full load, cold start) |
| **Wireless parameters** | |
| BLE Module | Casambi Bluetooth |
| Working frequency | 2.402-2.480GHz |
| Transmitting power | +8dBm(max) |
| Transmission distance | 25m(Visible distance) |
| Fixture ID | |
| **Environment** | |
| Operating Temperature | -25~60°C |
| Storage Temperature | -40℃~80℃, Humidity: ≤85%(Non-condensing) |
| Maximum Shell Temperature (Tc) | 80℃ |
| **Certificate Standard** | |
| Certificate | CE, RED |
| Environmental Requirement | Compliant to RoHS 2.0, Reach |
| IP Rating | IP20 |
| Product Category | Class Ⅱ |
| **Other** | |
| Wiring | Press-in type terminal block, wiring 0.75-1.5 $mm^2$ |
| Installation | Built-in |
| Package | Bubble bag + Clapboard + Carton(K=A) |
| Net Weight | 37.8±3g |
| Lifetime | 5 years warranty @Ta |

## 【Product Information】

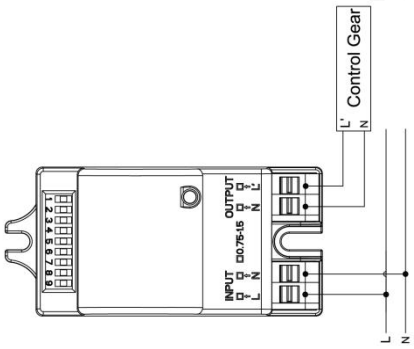
- Dimension(units: mm)




- Function



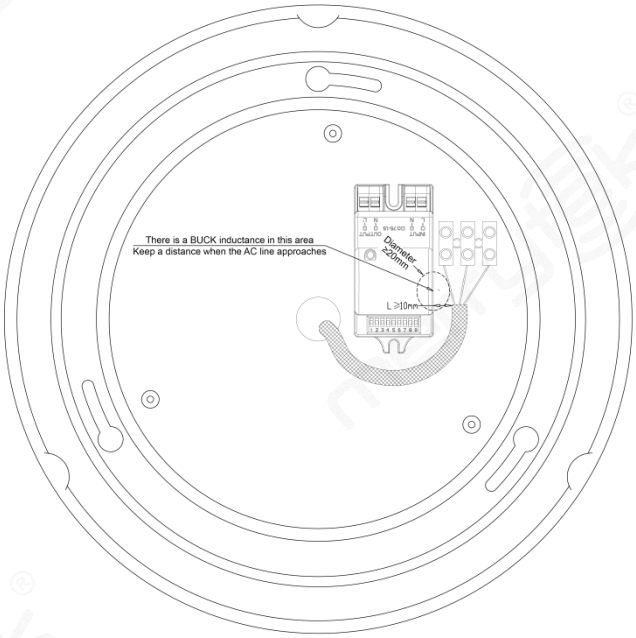

- Wiring




**Note:**

*The sensor is designed for connect one load only. Connect more than one loads may damage the sensor.

- Installation instruction




## 【Initialization】

When the sensor is powered on for the first time, the indicator will flash 6 times and turn off after 15 seconds.

## 【Default setting】

No network configuration

## 【Application Notice】

- Sensor should be installed by a professional electrician. Please turn off power before installing, wiring.
- When the ambient temperature is ≥ 80℃, it may trigger an over-temperature protection (which can be automatically restored after cooling).
- For the new installation environment, it is recommended to test 5pcs samples before installation.